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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/779,940

02/17/2004

Alessandro Dematteis

AGZP:113 US

9367

24041 7590 04/29/2008  
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EXAMINER

HAUGLAND, SCOTT J

ART UNIT

PAPER NUMBER

3654

MAIL DATE

DELIVERY MODE

04/29/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/779,940	<b>Applicant(s)</b> DEMATTEIS, ALESSANDRO	
	<b>Examiner</b> Scott Haugland	<b>Art Unit</b> 3654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 16-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 16-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farnsworth (U.S. Pat. No. 1,832,974) in view of Atkins (U.S. Pat. No. 1,120,432) and Faeber et al (U.S. Pat. No. 3,037,557).

Farnsworth discloses a roller for conveying a web comprising a first cylindrical tubular body 1 equipped with a plurality of radial holes arranged in longitudinal rows. The tubular body 1 is capable of rotating with respect to a second inner fixed co-axial body 2. A suction chamber is defined between said first and said second body by means of sliding sealing elements (4,6) that extend radially between the first and second tubular bodies. The sealing elements comprise a fixed portion 4 forming a guide and a bar 6.

Farnsworth does not disclose that the suction chamber that extends the full length of the roller. Farnsworth does not explicitly state that the bar 6 can slide in the guide 4.

Atkins teaches making a suction chamber (defined by q, w, v, t, s) of a suction roller extend the full length of the suction roller.

Faeber et al teaches forming a sliding sealing element as a guide 32 and a bar 39 slidable in the guide so as to resiliently engage an inner surface of a cylindrical shaped tubular body 10.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to form the suction chamber of the roller of Farnsworth so that it extends the full length of the roller to reduce complexity, number of parts, and cost of the device for uses where adjustability is not required. It would have been obvious to make the bar 6 slidable in the guide 4 so as to resiliently engage an inner surface of the first cylindrical shaped tubular body as taught by Faeber et al to provide a more reliable seal that can accommodate variations in shape and changes in dimensions (e.g., with temperature) of the tubular bodies.

Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Farnsworth in view of Atkins and Faeber et al as applied to claim 17 above, and further in view of the admitted prior art of paragraphs [0003] (p. 1) through [0008] (p. 3) of the specification.

Farnsworth does not explicitly state that the apparatus is a machine selected from the group consisting of rewinding, winding, and interfolding machines.

The admitted prior art teaches using a conveying roller having a partial vacuum created inside the rollers in rewinding and interfolding machines to facilitate handling of web material.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the conveying roller of Farnsworth in a rewinding or interfolding machine as taught by the admitted prior art to more efficiently provide the required gripping force on the web material as it is fed through the machine.

### ***Response to Arguments***

Applicant's arguments filed 1/14/08 have been fully considered but they are not persuasive.

Applicant argues that neither Faeber et al or Atkins teach radially positioned slidable sealing elements and that the sliding sealing elements 32, 33, 34, and 39 in Faeber et al do not follow the course of the radius of inner cylinder 19. However, while bars 39 of the sealing elements in Faeber et al extend radially (they do not extend purely circumferentially), Farnsworth discloses two radially extending slidable sealing elements extending between first and second cylindrical shaped tubular bodies in a suction roller device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Haugland whose telephone number is (571)272-6945. The examiner can normally be reached on Mon. - Fri., 10:00 am - 6:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (571) 272-6856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SJH/

4/21/08

/Peter M. Cuomo/

Supervisory Patent Examiner, Art Unit 3654